

## Accepted Manuscript

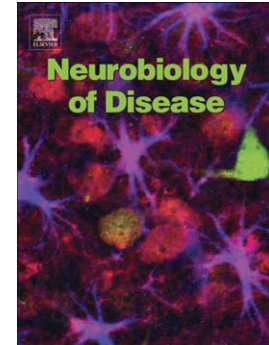
Environmental enrichment imparts disease-modifying and transgenerational effects on genetically-determined epilepsy and anxiety

Gabi Dezsi, Ezgi Ozturk, Michael R. Salzberg, Margaret Morris, Terence J. O'Brien, Nigel C. Jones

PII: S0969-9961(16)30096-1  
DOI: doi: [10.1016/j.nbd.2016.05.005](https://doi.org/10.1016/j.nbd.2016.05.005)  
Reference: YNBDI 3755

To appear in: *Neurobiology of Disease*

Received date: 11 February 2016  
Revised date: 2 May 2016  
Accepted date: 8 May 2016



Please cite this article as: Dezsi, Gabi, Ozturk, Ezgi, Salzberg, Michael R., Morris, Margaret, O'Brien, Terence J., Jones, Nigel C., Environmental enrichment imparts disease-modifying and transgenerational effects on genetically-determined epilepsy and anxiety, *Neurobiology of Disease* (2016), doi: [10.1016/j.nbd.2016.05.005](https://doi.org/10.1016/j.nbd.2016.05.005)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Environmental enrichment imparts disease-modifying and transgenerational effects on genetically-determined epilepsy and anxiety.**

Gabi Dezsi<sup>1</sup>, Ezgi Ozturk<sup>1</sup>, Michael R Salzberg<sup>1,2</sup>, Margaret Morris<sup>3</sup>, Terence J O'Brien<sup>1</sup>, Nigel C Jones<sup>1\*</sup>.

<sup>1</sup>Department of Medicine (Royal Melbourne Hospital), University of Melbourne, Melbourne, Victoria, Australia.

<sup>2</sup>Department of Psychiatry, St Vincent's Hospital, Melbourne, Victoria, Australia.

<sup>3</sup>Department of Pharmacology and Physiology, University of New South Wales, Sydney, New South Wales, Australia.

**\*Author for correspondence:**

Nigel C Jones

Department of Medicine (RMH), University of Melbourne, Melbourne Brain Centre, Parkville, Australia, 3052. Ph: +61 3 90356402; Fax: +61 3 9347 1863.

Email: ncjones@unimelb.edu.au

**Keywords:** environmental enrichment, epilepsy, transgenerational inheritance, anxiety, gene x environment interaction, GAERS, CRH, DNA methylation.

Download English Version:

<https://daneshyari.com/en/article/6021287>

Download Persian Version:

<https://daneshyari.com/article/6021287>

[Daneshyari.com](https://daneshyari.com)